



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/318,684	05/25/1999	ERIC C. HANNAH	INTL-0202-US	1769

7590 12/10/2003

TIMOTHY N TROP
TROP PRUNER HU & MILES PC
8554 KATY FREEWAY
SUITE 100
HOUSTON, TX 77024

EXAMINER

STULBERGER, CAS P

ART UNIT	PAPER NUMBER
----------	--------------

2132

DATE MAILED: 12/10/2003

9

Please find below and/or attached an Office communication concerning this application or proceeding.

Advisory Action

Application No.

09/318,684

Applicant(s)

HANNAH ET AL.

Examiner

Cas Stulberger

Art Unit

2132

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 31 October 2003 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.

PERIOD FOR REPLY [check either a) or b)]

- a) ☐ The period for reply expires _____ months from the mailing date of the final rejection.
- b) ☒ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

1. ☐ A Notice of Appeal was filed on _____. Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.
2. ☐ The proposed amendment(s) will not be entered because:
- (a) ☐ they raise new issues that would require further consideration and/or search (see NOTE below);
 - (b) ☐ they raise the issue of new matter (see Note below);
 - (c) ☐ they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
 - (d) ☐ they present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: _____.

3. ☐ Applicant's reply has overcome the following rejection(s): _____.
4. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
5. ☒ The a) ☐ affidavit, b) ☐ exhibit, or c) ☒ request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet.
6. ☐ The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection.
7. ☐ For purposes of Appeal, the proposed amendment(s) a) ☐ will not be entered or b) ☐ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: _____.

Claim(s) objected to: _____.

Claim(s) rejected: _____.

Claim(s) withdrawn from consideration: _____.

8. ☐ The drawing correction filed on _____ is a) ☐ approved or b) ☐ disapproved by the Examiner.
9. ☐ Note the attached Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____.
10. ☐ Other: _____


GILBERTO BARRON
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

Continuation of 5. does NOT place the application in condition for allowance because: The applicants arguments overcome the rejection of claims 3-6. However the rejection of claims 1-2, and 7-30 are maintained.

Applicant argues that the IEEE 1394 bus is coupled between the VHS and the Set top box however neither of these include a digital television display. The digital display is coupled to the set top box as disclosed in figure 1. The VCR meets the limitation of the first housing and the set top box coupled to the digital display meets the limitation of the second housing as disclosed in the independent claims.

Applicant also argues the motivation to combine Lownes with Tsukamoto and Bennett and Warren. the motivations are repeated below as in previous office actions.

7. Applicant also argues that "there is no motivation to combine Lownes or Tsukamoto with Bennett, which relates to feedback and shift units, and not digital television systems." The motivation to combine the reference of Bennett with the reference of Lownes and Tsukamoto is (as repeated below) a feedback and shift unit is arranged to reduce to a minimum the number of processing steps required in a processor (Bennett: Abstract).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to combine the digital television system of Lownes with the linear feedback shift registers and tap registers of Bennett in order to reduce to a minimum the number of processing steps required in a processor (Bennett: Abstract).

8. Applicant also argues that "there is no motivation to combine the references in order to obtain the claimed subject matter. The motivation to combine Lownes with Tsukamoto is repeated below.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to combine the digital television system as disclosed in Lownes with the method of encrypting, transmitting, decrypting, and displaying data across a bus as disclosed by Tsukamoto in order to provide for secure transmission of video data among devices connected to a video data bus.

The motivation to combine Lownes and Tsukamoto with Bennett is repeated below.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to combine the digital television system of Lownes with the linear feedback shift registers and tap registers of Bennett in order to reduce to a minimum the number of processing steps required in a processor (Bennett: Abstract).

The motivation to combine Lownes and Tsukamoto and Bennett with Warren is repeated below.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to combine the encryption method as disclosed in Lownes with the method of changing the key as disclosed in Warren in order to provide for electronic copy management of various forms of multi-media (Warren: column 1, lines 8-10).

Applicant also argues that Warren does not teach or suggest changing encryption levels on frame boundaries. Warren discloses that with encrypted frames of multi-media data, encryption keys may be carried in a key layer with the encrypted data signal or another data signal for use in decryption on a frame-by-frame basis (Warren: Abstract, last line; Figure 12). Warren also discloses that each frame can be scrambled with a different key, or the key can change every so many frames (Warren: column 14, lines 7-9) This meets the limitation of changing encryption at the frame boundaries. Bennett teaches a higher level encryption. When combined with Warren this meets the limitation of changing encryption levels on frame boundaries.